

Seabird collision avoidance studies at Aberdeen

The background image shows two offshore wind turbines in the sea under a cloudy sky. A seabird is captured in flight, positioned between the two turbines. The turbines have white nacelles and yellow bases. The sea is a dark blue-grey color.

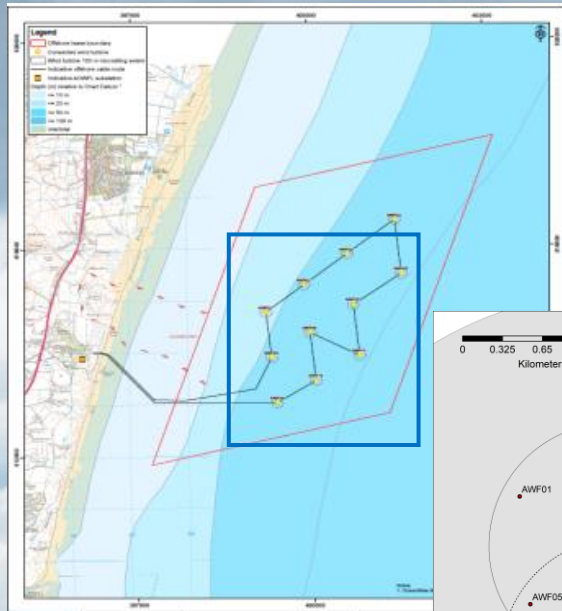
Havvind og miljø seminar, Oslo, 1 November 2023 - Jesper Kyed Larsen

The Aberdeen Offshore Wind Farm Bird Collision Avoidance study

Improving the understanding of seabird avoidance behaviour during the breeding and post-breeding seasons, using forefront combined radar and camera technologies



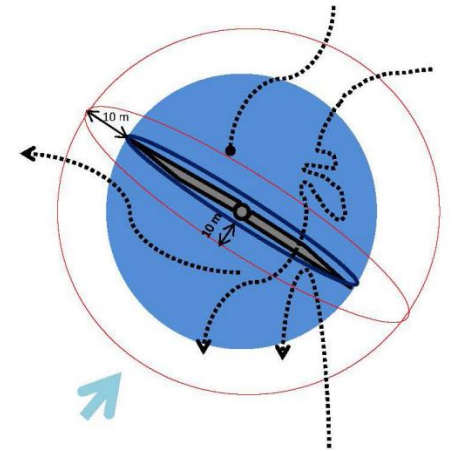
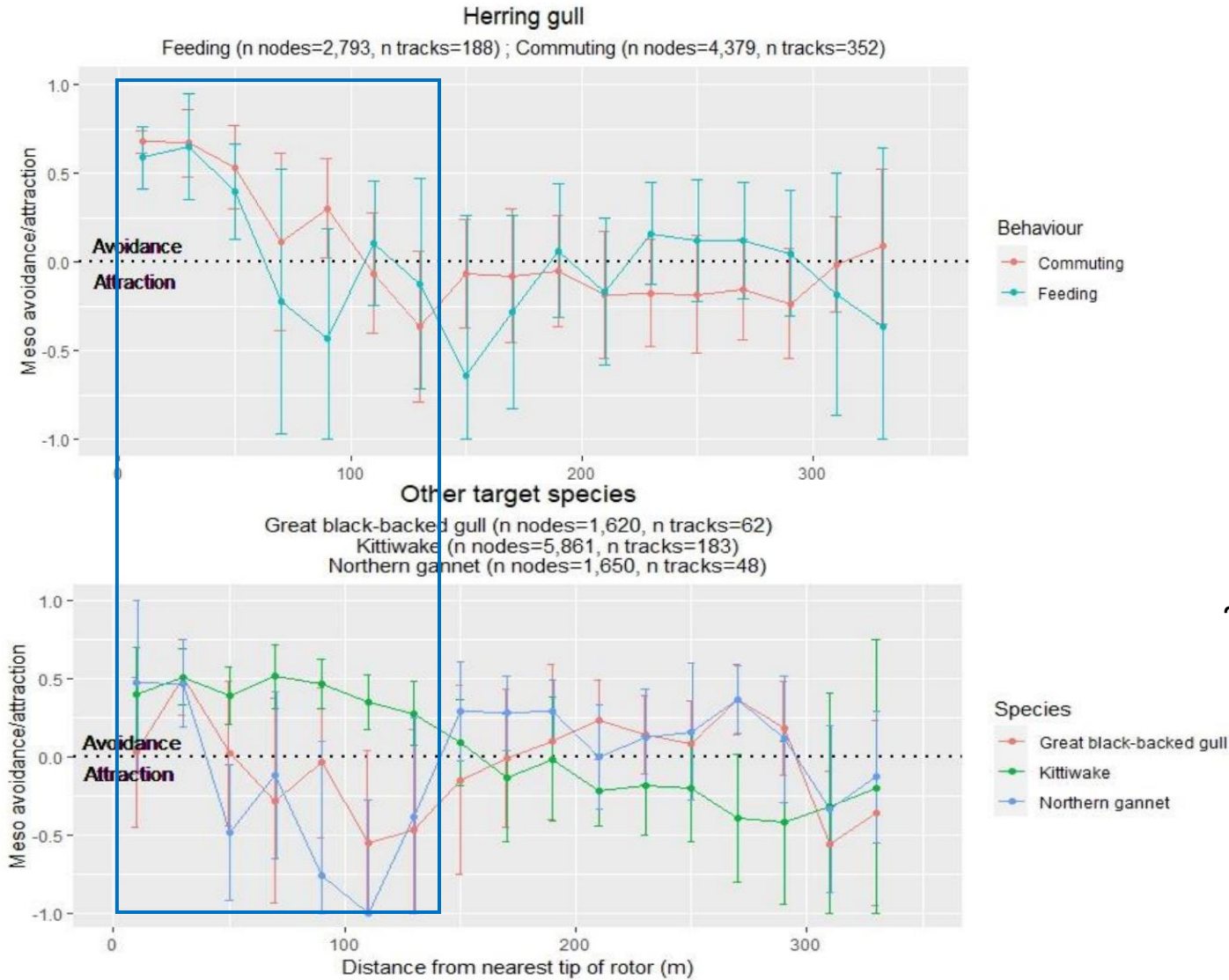
Advisory group:



The Aberdeen Offshore Wind Farm Bird Collision Avoidance study

Results

Meso-avoidance
(~3000 radar-camera tracks)



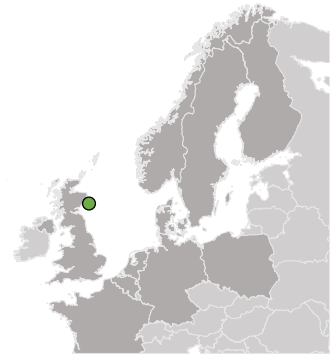
Micro-avoidance
(180 tracks)

~96% adjusted their flight path,
the majority flying parallel to
the rotor

Collisions
(>10,000 videos)
None observed

The Aberdeen Offshore Wind Farm Spoor trial

Validating the Spoor camera and AI technology for documenting flux and close-range avoidance behaviour of seabirds - ongoing



BTO

British Trust for Ornithology

Advisory group:



Aberdeen Offshore Wind Farm/
European Offshore Wind
Deployment Centre (EOWDC)



Environmental Monitoring and
Research Programme

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